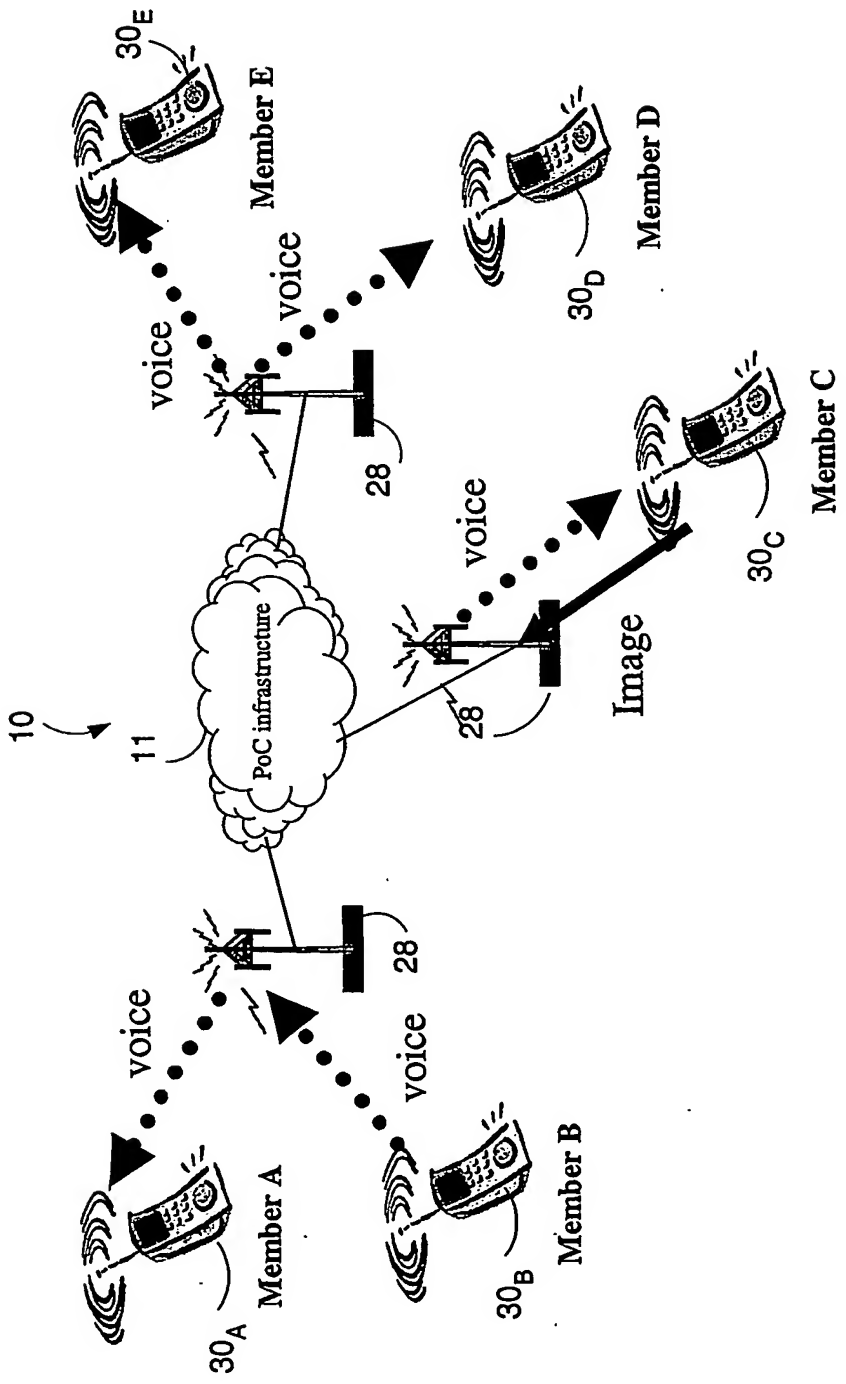

10
11
PoC infrastructure
28
28
28
28
voice
voice
voice
voice
Image
Member A
Member B
Member C
Member D
Member E
30_A
30_B
30_C
30_D
30_E

Fig. 1A

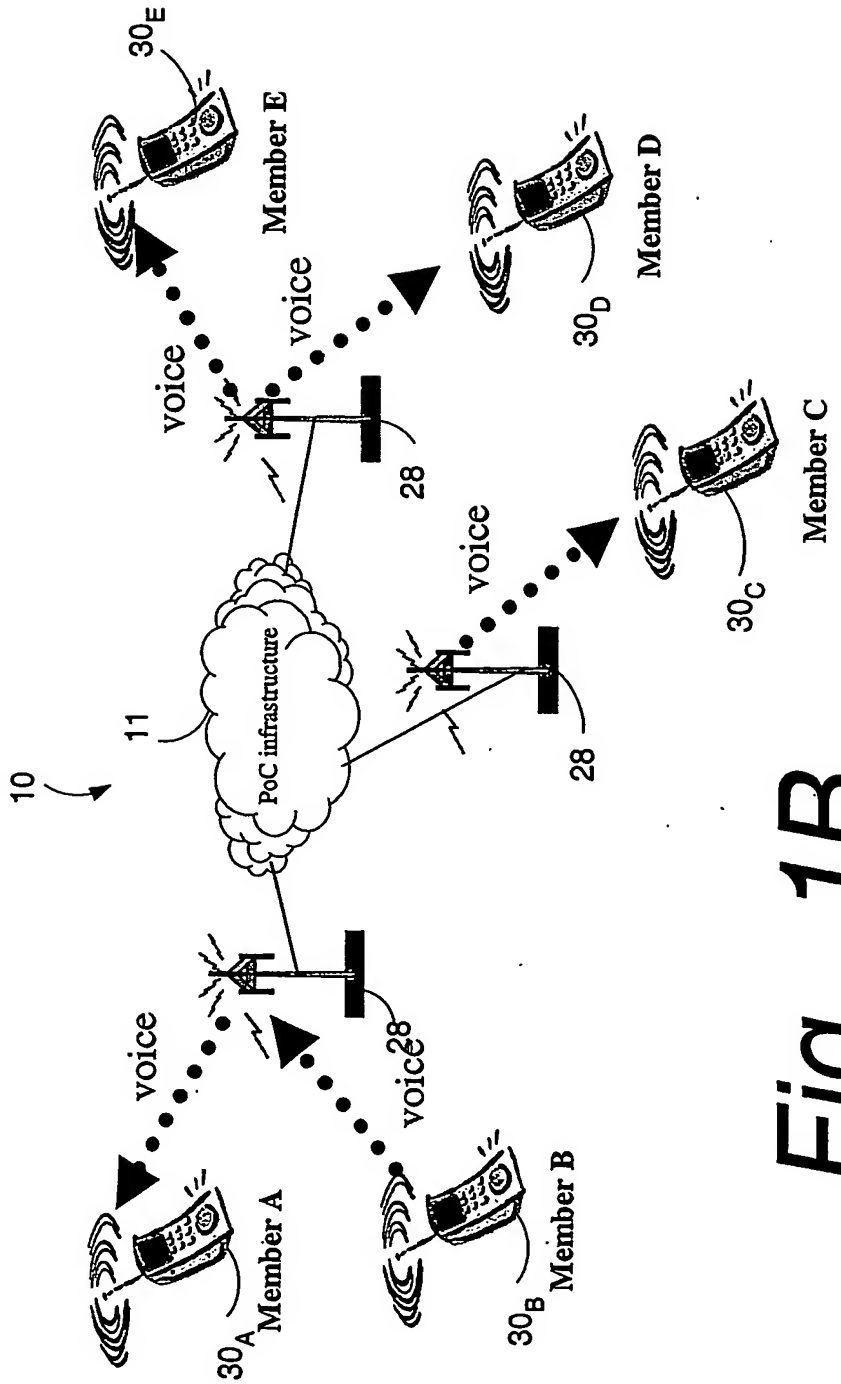

10
11
PoC infrastructure
28
28
28
voice
voice
voice
voice
voice
30_A
Member A
30_B
Member B
30_C
Member C
30_D
Member D
30_E
Member E

Fig. 1B

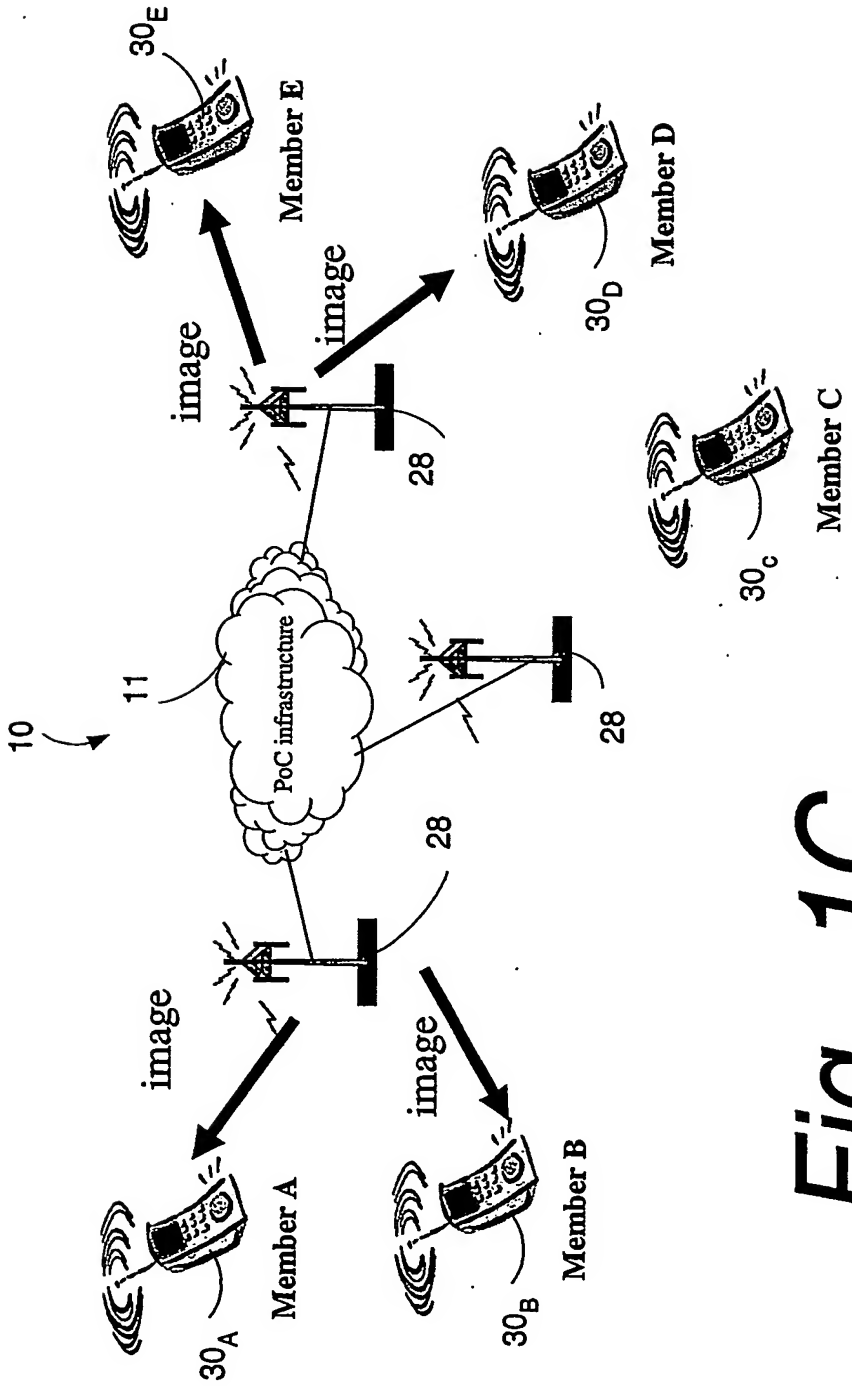

10
11
PoC infrastructure
28
28
28
image
image
image
image
Member A
Member B
Member C
Member D
Member E
30_A
30_B
30_C
30_D
30_E

Fig. 1C

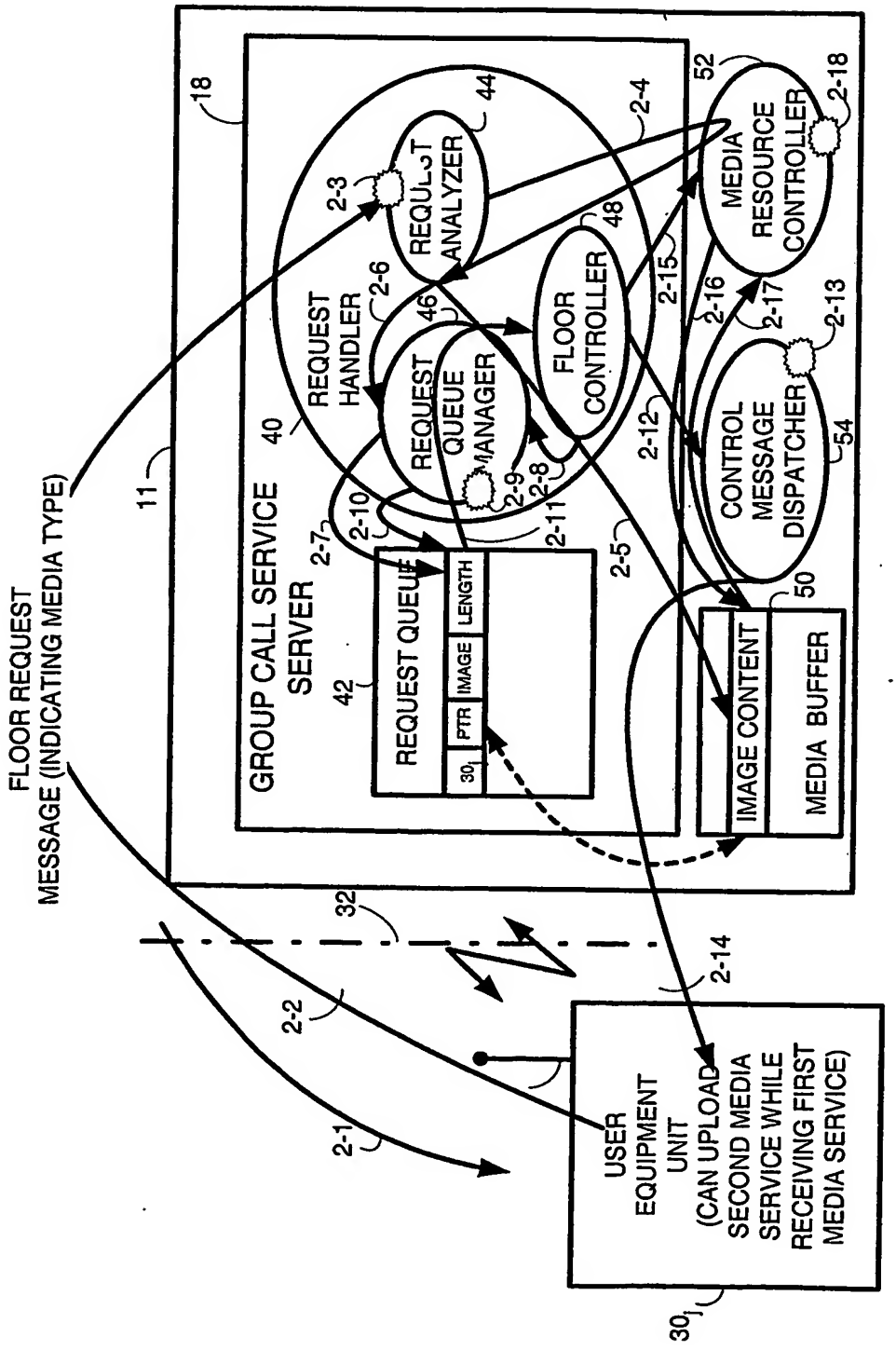

FLOOR REQUEST
MESSAGE (INDICATING MEDIA TYPE)
GROUP CALL SERVICE SERVER
REQUEST HANDLER
REQUEST ANALYZER
REQUEST QUEUE MANAGER
FLOOR CONTROLLER
MEDIA RESOURCE CONTROLLER
CONTROL MESSAGE DISPATCHER
REQUEST QUEUE
PTR
IMAGE
LENGTH
IMAGE CONTENT
MEDIA BUFFER
USER EQUIPMENT UNIT
(CAN UPLOAD SECOND MEDIA SERVICE WHILE RECEIVING FIRST MEDIA SERVICE)
11
18
32
40
42
44
46
48
50
52
54
2-1
2-2
2-3
2-4
2-5
2-6
2-7
2-8
2-9
2-10
2-11
2-12
2-13
2-14
2-15
2-16
2-17
2-18
30j

Fig. 2

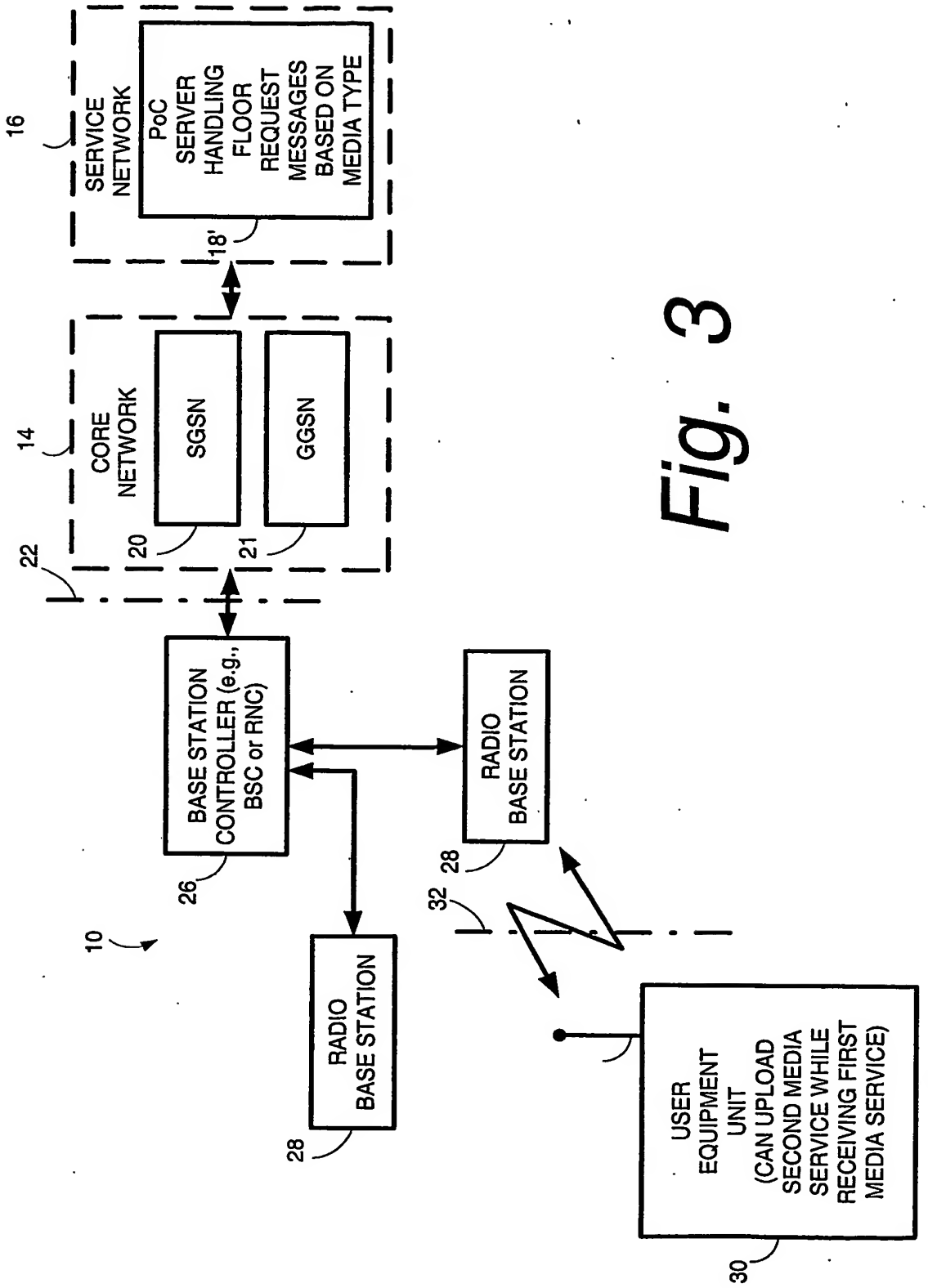
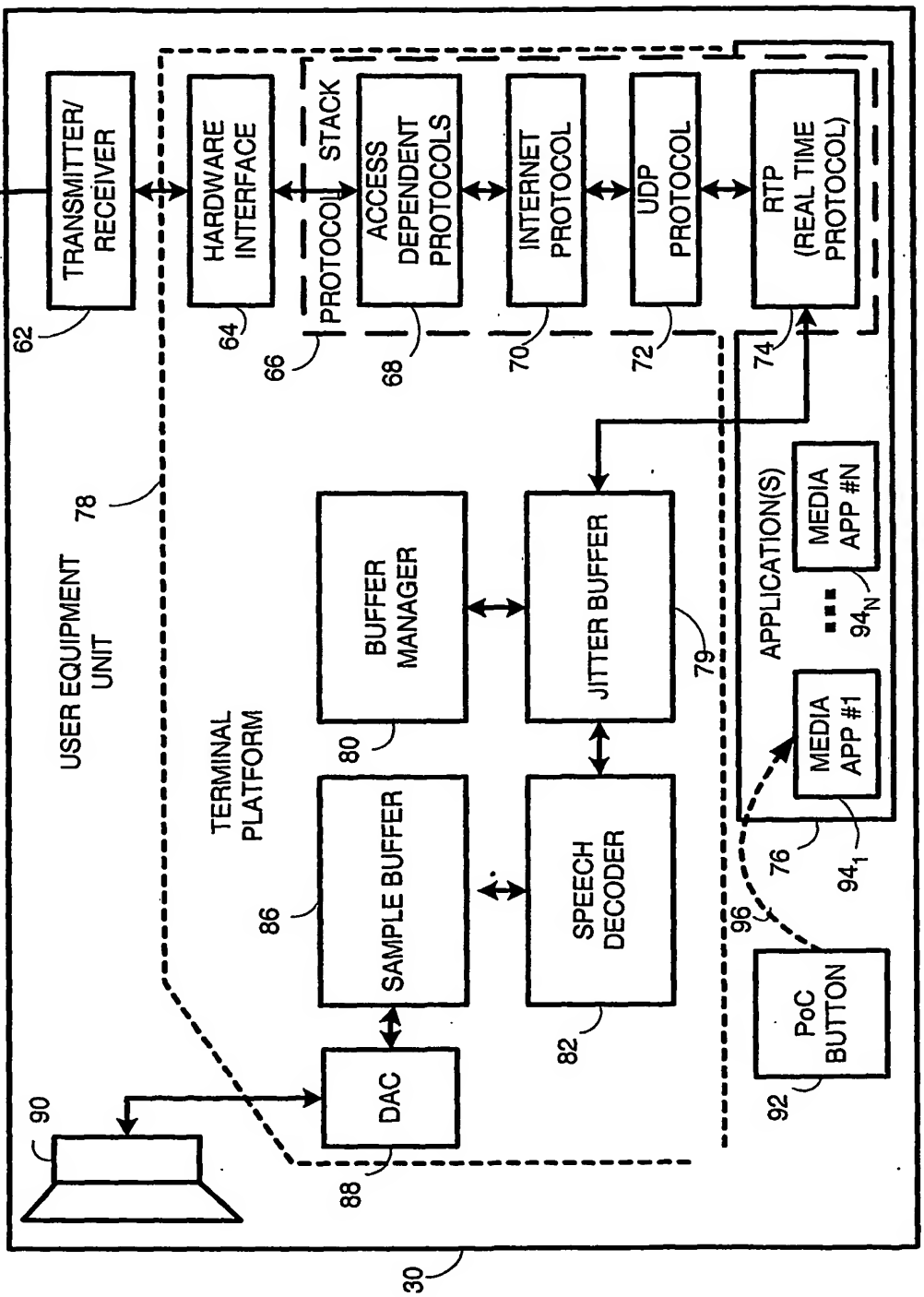

16
SERVICE NETWORK
PoC SERVER HANDLING FLOOR REQUEST MESSAGES BASED ON MEDIA TYPE
18'
14
CORE NETWORK
SGSN
GGSN
20
21
22
BASE STATION CONTROLLER (e.g., BSC or RNC)
26
RADIO BASE STATION
28
RADIO BASE STATION
28
10
32
USER EQUIPMENT UNIT (CAN UPLOAD SECOND MEDIA SERVICE WHILE RECEIVING FIRST MEDIA SERVICE)
30

Fig. 3

Fig. 4


70
TRANSMITTER/ RECEIVER
62
HARDWARE INTERFACE
64
PROTOCOL STACK
66
ACCESS DEPENDENT PROTOCOLS
68
INTERNET PROTOCOL
70
UDP PROTOCOL
72
RTP (REAL TIME PROTOCOL)
74
78
USER EQUIPMENT UNIT
TERMINAL PLATFORM
BUFFER MANAGER
80
JITTER BUFFER
79
APPLICATION(S)
MEDIA APP #N
94N
MEDIA APP #1
94 1
76
96
SAMPLE BUFFER
86
SPEECH DECODER
82
PoC BUTTON
92
DAC
88
90
30

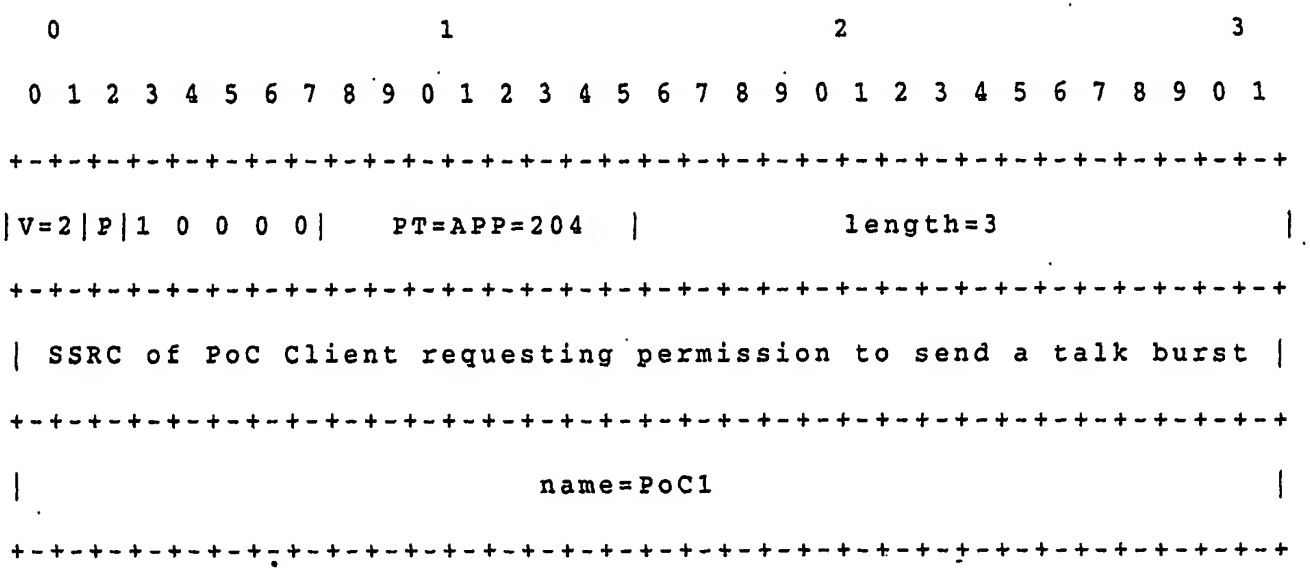

0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
|V=2|P|1 0 0 0 0| PT=APP=204 | length=3 |
| SSRC of PoC Client requesting permission to send a talk burst |
| name=PoC1 |

Fig. 5A